
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 227

FERTILIZERS, 1911.

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OTTAWA, September 18, 1911.

W. J. GERALD, Esq.,

Deputy Minister of Inland Revenue.

SIR,—I have the honour to hand you a report upon 161 samples of fertilizers, as sold throughout the Dominion of Canada during the current year. The collection was made during the month of May; and this report, like the collection which it discusses, is issued much later than should be the case. The delay as you are aware, has been due to causes which could not be controlled. The rebuilding of our laboratories, and the loss of two members of this staff, in one case by death, in the other by disqualifying illness, has put the work of this branch, very far behind.

As in my report for last year (See Bulletin 213) I have to note a large number of failures to comply with the requirements of the Fertilizers Act of 1909. In many cases this appears to be the fault of the vendor; rather than that of the manufacturer. Indeed, so far as my experience goes, I have found on the part of manufacturers, a very praiseworthy desire to live up to the requirements of the Act governing the sale of fertilizers. The conditions named by the Act are so simple and plain that there would seem to be no excuse for failing to meet them. It is difficult to see how anything less could be demanded, consistently with giving effective protection to the purchaser.

In some instances, there seems to be a lack of care exercised by the inspector; and in the present case this is very marked as regards the Quebec district. When a fertilizer is sold with its registration number, there is no difficulty in identifying it; and in finding the claim made for it by the manufacturer. Even without the registration number, if the specific name of the brand be given, together with the name of the manufacturer, it is usually possible to identify the fertilizer by means of the records filed in the Department. When, however, neither the registration number nor the name of the brand is given, and the article is simply stated to be a fertilizer, it is apparent that no trustworthy identification can be made.

Of the 161 samples now reported, 123 samples have been identified with sufficient certainty to enable me to declare them up to guaranteed value in fertilizing materials. Of the remaining 38 samples, 4 are not registered. These are as follows:—

- No. 38195—Bonemeal—Portland Seed Co.
- 38200—Beef Scraps—Swift & Co., Chicago.
- 47603—Whale Guano—Pacific Whaling Co.
- 47629—Bone & Blood Fertilizer—Frye Bruhne & Co., Seattle.

The vendors of these brands are of course amenable to the penalties named in Section 15 of the Fertilizers Act, 1909.

Fourteen (14) samples, about which identification appears to be satisfactory, fail to comply with the guarantees; but in most of these cases, the deficiency is compensated by an overplus of other fertilizing constituents. A detailed list of these samples is given:—

- No. 46631—deficiency of 12·10 p. c. phosphoric acid.
 46636—deficiency of 1·71 p. c. potash is compensated.
 46637—deficiency of 7 p. c. phosphoric acid.
 46639—deficiency of 1·27 p. c. potash is compensated.
 45486—deficiency of 3·55 p. c. phosphoric acid is compensated.
 38956—deficiency of 0·76 p. c. nitrogen is compensated.
 40675—deficiency of 2 p. c. phosphoric acid is compensated.
 48529—deficiency of 2 p. c. nitrogen is compensated.
 47320—deficiency of 4·75 p. c. phosphoric acid is partially compensated.
 48056—deficiency of available phosphoric acid, but guaranteed amount of total phosphoric acid.
 48063—deficiency of 1·1 p. c. potash.
 48030—deficiency of 1 p. c. nitrogen is compensated.
 47604—deficiency of 1·16 p. c. nitrogen is compensated.
 47605—deficiency of 2·22 potash.

There are, therefore, only 4 samples in which uncompensated deficiency of more than one half of one per cent. of a fertilizing constituent is present; viz:—

- No. 46631—Bone Meal—Nova Scotia Fertilizer Co., Agents for manufacturer.
 48063—Celery and Potato Fertilizer—Buffalo Fertilizer Co.
 47605—Fertilizer B—Victoria Chemical Co.
 46637—Registration 302, E. E. McNutt, Truro.

These samples have been repeatedly analyzed, and the findings corroborated. The deficiencies in the four samples are sufficiently notable to bring them under the provisions of Section 15 of the Act.

The remaining 20 samples cannot be identified with sufficient certainty to enable me to pronounce upon their character. An attempt has been made to identify them, with the aid of the imperfect information furnished, and it is probable that the following is correct:—

- No. 46638—Probably up to guarantee
 46062— " " " as
 36938— " " " as 253
 36941— " " " as 210
 36944— " " " as 399
 36946— " " " as 400
 38952— " " " as 253
 48527—Compensating value if No. 188
 47322— " " " 291
 38197— " " " 440
 38201—If No. 297 it is slightly low in phosphoric acid.
 38203 } These samples are apparently inverted, as regards registration
 38204 } numbers. Are, in this case, up to guarantee.

The remaining 7 samples do not warrant any attempt at identification.

I beg to recommend publication of this report as Bulletin No. 227,

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,
 Chief Analyst.

| Date of Collection. | Designation. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|---------------------|--------------|----------------|-----------------------------|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |

DISTRICT OF NOVA SCOTIA—

| | | | | | | | |
|-------|------------------------------------|-------|---|--------|-----|---|--|
| 1911. | | | | | | | |
| May | 10 Ceres Brand.... | 46621 | A. L. Melvin & Co., Halifax, N.S. | 5 lbs. | Nil | Nova Scotia Fertilizer Co., Halifax, N.S. | |
| " | 10 Potato Phos- phate. | 46622 | " " " " | 5 " " | " | " " " " | |
| " | 12 Slag..... | 46623 | Nova Scotia Fertil- izer Co., Halifax, N.S. | 5 " " | " | R. A. Munroe, Glas- gow, Scotland. | |
| " | 12 Ceres..... | 46624 | " " " " | 5 " " | " | Vendors. | |
| " | 12 10% | 46625 | " " " " | 5 " " | " | " " " " | |
| " | 15 Eureka Phos- phate. | 46626 | Halifax Seed Co., Halifax, N.S. | 5 " " | " | Pidgeon Co., Windsor, N.S. | |
| " | 15 Potato Manure.. | 46627 | " " " " | 5 " " | " | " " " " | |
| " | 16 Soluble Pacific Guano. | 46628 | G. F. Roy, Kentville, N.S. | 5 " " | " | Am. Agr. Chem. Co., New York. | |
| " | 16 Swift's Lowell Potato Manure | 46629 | " " " " | 5 " " | " | Swift's Fertilizer Co., Boston, Mass. | |
| " | 16 Chute's Special. | 46630 | Berwick Fruit Co., Berwick, N.S. | 5 " " | " | Pidgeon Fertr. Co., Windsor, N.S. | |
| " | 16 Bone Meal. | 46631 | " " " " | 5 " " | " | Manufacturers: Staackman & Co., Ger- many. | |
| | | | | | | Furnishers: The Nova Scotia Fer- tilizer Co., Halifax, N.S. | |
| " | 16 Acid Phosphate. | 46632 | " " " " | 5 " " | " | Manufacturers: The Nova Scotia Fertil- izer Co., Halifax, N.S. | |
| " | 16 Superphosphate with Potash. | 46633 | Burgess & Co., Wolf- ville, N.S. | 5 " " | " | Bowker Co., Boston.. | |
| " | 16 Market Garden. | 46634 | " " " " | 5 " " | " | " " " " | |
| " | 16 Grain and Grass | 46635 | R. E. Harris & Son, Wolfville, N.S. | 5 " " | " | " " " " | |
| " | 17 Ground Bone. ... | 46636 | Pidgeon Fertilizer Co., Windsor, N.S. | 5 " " | " | Vendors..... | |
| " | 19 Basic Phosphate | 46637 | E. E. McNutt, Truro, N.S. | 5 " " | " | A. Hickman Co., Bil- son, Eng. | |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS. | | | | | | | | | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|------------------|---------------------|---|-------------------------------|------------------------|------------------------------|------------|--------|------------------|---------|-----------|-------|---|---|
| | | Nitrogen, p. c. | | Phosphoric Acid, p. c. | | | | | Potash. | Moisture. | | | |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Reverted or Citrate Soluble. | Insoluble. | Total. | Total available. | | | | | |
| 37 | As guaranteed | | 2 | | | 2 | 9 | 7 | 2 | | 46621 | Up to guarantee | |
| | As found..... | 1.28 | 1.56 | | | 0.45 | 9.45 | 9.00 | 3.12 | | | | |
| 38 | As guaranteed | | 2 | | | | 9 | 7 | 4 | | 46622 | " | |
| | As found..... | 1.27 | 1.53 | | | 0.75 | 9 | 8.25 | 4.58 | | | | |
| 47 | As guaranteed | | | | | | 14 | | | | 46623 | " | |
| | As found..... | | | 10.45 | 4.05 | 14.50 | 10.45 | | | | | | |
| 37 | As guaranteed | | 2 | | | 2 | 9 | 7 | 2 | | 46624 | " | |
| | As found..... | 2.26 | 2.75 | | | 1.25 | 9.10 | 7.85 | 2.39 | | | | |
| 41 | As guaranteed | | 2 | | | | 9 | 7 | 4 | | 46625 | " | |
| | As found..... | 2.17 | 2.64 | | | 1 | 9.85 | 8.85 | 9.67 | | | | |
| 32 | As guaranteed | | 3 | | | | 7 | 2.5 | | | 46626 | " | |
| | As found..... | 1.96 | 2.38 | | | 1.90 | 9.45 | 7.55 | 3.59 | | | | |
| 29 | As guaranteed | | 2.5 | | | | 6 | 5 | | | 46627 | " | |
| | As found..... | 1.89 | 2.30 | 5.90 | 1.70 | 2.30 | 9.90 | 7.60 | 5.58 | | | | |
| 14 | As guaranteed | | 2.06 | 2.5 | 6 | 2 | 1 | 9 | 1.5 | | 46628 | " | |
| | As found..... | 1.98 | 2.42 | 7.25 | 2.95 | 1.25 | 11.45 | 10.20 | 2.02 | | | | |
| 114 | As guaranteed | | 1.64 | 2 | 3 | 1 | 8 | 7 | 4 | | 46629 | " | |
| | As found..... | 1.60 | 1.94 | 4.50 | 3.70 | 1.05 | 9.25 | 8.20 | 3.86 | | | | |
| 275 | As guaranteed | | 4 | 4.8 | 6 | 2 | 9 | 7 | 4 | | 46630 | " | |
| | As found..... | 3.48 | 4.22 | 5.80 | 2.85 | 0.50 | 9.15 | 8.65 | 3.74 | | | | |
| 44 | As guaranteed | | 3 | | | | | | | | 46631 | Below guarantee in phosphoric acid. | |
| | As found..... | 2.29 | 2.78 | | | | 10.90 | | | | | | |
| | As guaranteed | | | | 14 | 2 | 16 | 14 | | | 46632 | Up to guarantee | |
| 328 | As found..... | | | | | 1.65 | 18.40 | 16.75 | | | | | |
| | As guaranteed | | | 6 | 4 | 1 | 11 | 10 | 2 | | 46633 | " | |
| 99 | As found..... | | | 5.85 | 2.35 | 1.75 | 11.80 | 10.05 | 2.24 | | | | |
| | As guaranteed | 2.47 | 3 | | | 2 | 7 | 6 | 10 | | 46634 | " | |
| 90 | As found..... | 3.92 | 4.77 | 3 | 3.15 | 0.85 | 7 | 6.15 | 11.04 | | | | |
| | As guaranteed | .82 | 1 | 4 | | 1 | 9 | 8 | 4 | | 46635 | " | |
| 120 | As found..... | .90 | 1.09 | 4.90 | 6.40 | 1 | 12 | 11 | 4.55 | | | | |
| | As guaranteed | | 2 | | | 2 | 9 | 7 | 2 | | 46636 | Below guarantee in potash; above in phosphoric acid and nitrogen. | |
| 37 | As found..... | 2.82 | 3.42 | | | 2.50 | 12 | 9.50 | 0.20 | | | | |
| 302 | As guaranteed | | | | 15.40 | 3.85 | 19.25 | | | | 46637 | Below guarantee in phosphoric acid. | |
| | As found..... | None. | None. | | | | 12.25 | | | | | | |

* Bone phosphate 50 to 60 = 23 P₂ O₅.

| Date of Collection. | Designation. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|---------------------|--------------|----------------|-----------------------------|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |

DISTRICT OF NOVA SCOTIA—

| | | | | | | | |
|--------|------------------------------|-------|--|--------|-----|---------------------------------------|---------------|
| 1911. | | | | | | | |
| " 19 | Phosphate Flour | 46638 | Colchester's Farmers Co-op. Assn., Truro, N.S. | 5 " | " | Leeds Phosphate Works, Leeds, Eng. | Register 258. |
| May 19 | Complete Stock-bridge Manure | 46639 | J. H. Kent & Co., Truro, N.S. | 5 lbs. | Nil | Bowker Co., Boston, Mass. | |
| " 19 | Swift's Lowell Ground Bone. | 46640 | A. J. Walker & Son, Truro, N.S. | 5 " | " | Swift's Fertilizer Co., Boston, Mass. | |

DISTRICT OF PRINCE EDWARD ISLAND—

| | | | | | | | |
|--------|-----------------------------|-------|--------------------------------|--------|-----|--|--|
| May 19 | Nitrate of Soda. | 46656 | Auld Bros., Charlottetown. | 5 lbs. | Nil | Am. Agr. Chem. Co., New York. | |
| " 19 | Muriate of Potash. | 46657 | " " " " | 5 " | " | German Kali Works, Stassfurt, Germany. | |
| " 19 | Superphosphate. | 46658 | Jno. H. Gill, Charlottetown. | 5 " | " | Alex. Cross & Sons, Glasgow, Scotland. | |
| " 19 | Sulphate of Potash. | 46659 | Auld Bros., Charlottetown. | 5 " | " | German Kali Works, Leopoldshall, Stassfurt, Germany. | |
| " 20 | Potato Manure. | 46660 | A. Horne & Co., Charlottetown. | 5 " | " | Swift's Lowell Fertilizer Co., Boston, Mass. | |
| " 20 | Ground Bone. | 46661 | " " " " | 5 " | " | " " " " | |
| " 20 | Sulphate of Potash. | 46662 | Auld Bros., Charlottetown. | 5 " | " | Thos. Vickers Sons, Ltd., Manchester, Eng. | |
| " 20 | Swan's Thomas Phosphate. | 46663 | " " " " | 5 " | " | Swan Bros., Wigan & Stillington, Eng. | |
| " 20 | Swift's Lowell Animal Brand | 46664 | A. Horne & Co., Charlottetown. | 5 " | " | Swift's Lowell Fertilizer Co., Boston, Mass. | |
| " 20 | Bone Fertilizer. | 46665 | " " " " | 5 " | " | " " " " | |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS. | | | | | | | | | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|-------------------|---------------------|---|-------------------------------|-----------------------|------------------------------|------------|--------|------------------|-------|---------|-----------|---|---|
| | | Nitrogen, p.c. | | Phosphoric Acid, p.c. | | | | | | Potash. | Moisture. | | |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Reverted or Citrate Soluble. | Insoluble. | Total. | Total available. | | | | | |
| <i>Continued.</i> | | | | | | | | | | | | | |
| 253 | As guaranteed | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | | | |
| | As found..... | ..... | ..... | ..... | 15.40 | 3.55 | 18.95 | 15.40 | ..... | ..... | 46638 | No 253 on Inspector's invoice, which is pot. sup. Incorrect identification; should be registered as 253. Up to guarantee. | |
| 88 | As guaranteed | 3.29 | 4 | 4 | 2 | 1 | 7 | 6 | 10 | ..... | 46639 | Below guarantee in potash; above in phosphoric acid. Practically is up to guarantee. | |
| | As found..... | 2.85 | 3.48 | 4.40 | 3.90 | 0.50 | 9.85 | 8.35 | 8.73 | ..... |  | Up to guarantee | |
| 117 | As guaranteed | 2.46 | 3 | ..... | ..... | ..... | 23 | ..... | ..... | ..... | 46640 | Up to guarantee | |
| | As found..... | 2.24 | 2.72 | ..... | ..... | ..... | 25.80 | ..... | ..... | ..... |  |  |  |

Continued.

WM. A. WEEKS, INSPECTOR.

| | | | | | | | | | | | | | |
|-----|---------------|-------|-------|-------|------|-------|-------|-------|-------|--|--|-------|---|
| 179 | As guaranteed | 15 | 18.23 | | | | | | | | | 46056 | Up to guarantee |
| | As found..... | 14.47 | 17.57 | | | | | | | | | | |
| 305 | As guaranteed | | | | | | | | 50 | | | 46057 | Registered as 305, up to guarantee |
| | As found..... | | | | | | | | 49.56 | | | 46058 | If correctly identified as 337, then much below guarantee. Apparently some mistake in description of the brand. |
| 327 | As guaranteed | | 36.0 | | | | 18.00 | | | | | | Registered as 306, up to guarantee |
| | As found..... | | 17.75 | | | | | | | | | | |
| 306 | As guaranteed | | | | | | | | 48 | | | 46059 | Registered as 306, up to guarantee |
| | As found..... | | | | | | | | 48.28 | | | | |
| 114 | As guaranteed | 1.64 | 2 | 4 | 3 | 1 | 8 | 7 | 4 | | | 46060 | Up to guarantee. Registered as 114. |
| | As found..... | 1.32 | 1.60 | 4.45 | 4.50 | 0.50 | 9.45 | 8.95 | 3.61 | | | | |
| 117 | As guaranteed | 2.46 | 3 | | | | 23 | | | | | 46061 | Registered as 117, up to guarantee |
| | As found..... | 2.37 | 2.87 | | | | 25.25 | | | | | 46062 | Probably No. 324, a phosphate. Up to guarantee |
| 324 | As guaranteed | | | 16.50 | 3.25 | 0.10 | 19.85 | 19.75 | | | | 46063 | Probably No. 323 and up to guarantee. |
| | As found..... | | | | | | | | | | | | |
| 323 | As guaranteed | | | 11.2 | 2.8 | 14 | 11.2 | | | | | 46064 | Up to guarantee. Registered as 116. |
| | As found..... | | | 10.05 | 3.95 | 14.00 | 10.05 | | | | | | |
| 116 | As guaranteed | 2.46 | 3 | 4 | 4 | 2 | 10 | 8 | 4 | | | 46065 | Registered as 113. Up to guarantee |
| | As found..... | 2.65 | 3.22 | 4.75 | 3.65 | 2.05 | 10.45 | 8.40 | 5.17 | | | | |
| 113 | As guaranteed | 1.64 | 2 | 4 | 4 | 1 | 9 | 8 | 3 | | | | |
| | As found..... | 1.40 | 1.70 | 4.25 | 3.60 | 1.15 | 9 | 7.85 | 3.36 | | | | |

* (= 16.0 P₂ O₅ if Ca₃ (PO₄)₂ is meant).

| Date of Collection. | Designation. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|----------------------------|---|----------------|--|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |
| DISTRICT OF NEW BRUNSWICK— | | | | | | | |
| 1911. | | | | | | | |
| May 3 | 10% Complete Aroostook Potato | 45479 | The Prov. Chem. Fertr. Co., Ltd., St. John, N.B. | 3 jars. | 15 | Vendors..... | |
| " | 3 Special Potato Phosphate. | 45480 | " " " " | 3 " " | 15 | " " " " | |
| " | 3 Blood, Bone and Potash. | 45481 | " " " " | 3 " " | 15 | " " " " | |
| " | 4 Swift's Lowell Bone. | 45482 | P. Nase & Son, St. John, N.B. | 3 " " | 10 | Swift's Lowell Fertr. Co., Boston, Mass. | |
| " | 4 Swift's Animal Brand. | 45483 | " " " " | 3 " " | 10 | " " " " | |
| " | 4 Swift's Lowell Potato Phosphate. | 45484 | " " " " | 3 " " | 10 | " " " " | |
| " | 8 Thomas Phosphate Powder. | 45485 | Anglo-Canadian Chem. Co., St. John, N.B. | 3 " " | 10 | H. & E. Albert, London, Eng. | |
| " | 8 Special Odourless Potato Phosphate. | 45486 | " " " " | 3 " " | 10 | " " " " | |
| " | 9 Stockbridge Special Complete Manure. | 45487 | D. J. Seely & Son, St. John, N.B. | 3 " " | 10 | Bowker Fertr. Co., Boston and New York. | |
| " | 9 Bowker's 6% Potato Fertilizer. | 45488 | " " " " | 3 " " | 10 | " " " " | |
| " | 16 Bradley's Potato | 45489 | A.H. Vanwart, Fred. ericton, N.B. | 3 " " | 15 | The Am. Agr. Chem. Co., New York. | |
| " | 16 Bradley's X.L. Superphosphate of Lime. | 45490 | " " " " | 3 " " | 15 | " " " " | |
| " | 17 Read's Farmers Friend. | 45491 | Phillips Esty & Co., Ltd., Woodstock, N.B. | 3 " " | 10 | " " " " | |
| " | 17 Bradley's Eclipse Phosphate. | 45492 | Benn & Turney, Woodstock, N.B. | 3 " " | 15 | " " " " | |
| " | 19 10% Complete Aroostook Potato. | 45493 | Porter Manzer, Ltd., Perth, N.B. | 3 " " | 15 | The Prov. Chem. Fertr. Co., Ltd., St. John, N.B. | |
| May 22 | New England Potato Fertilizer. | 45494 | The Sussex Mercantile Co., Ltd., Sussex, N.B. | 3 " " | 15 | The New England Fertr. Co., Boston, Mass. | |
| " | 22 New England Ground Bone. | 45495 | " " " " | 3 " " | 15 | " " " " | |
| " | 22 Farm and Garden Phosphate | 45496 | W. B. McKay, Ltd., Sussex, N.B. | 3 " " | 10 | Bowker Fertr. Co., Boston, Mass. | |
| " | 23 Pacific Potato Special. | 45497 | Toombs & Son, Moncton, N.B. | 3 " " | 10 | The Am. Agr. Chem. Co., Boston, Mass. | |
| " | 13 Pacific Nobsque Guano for all Crops. | 45498 | " " " " | 3 " " | 10 | " " " " | |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS. | | | | | | | | | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|------------------|---------------------|---|-------------------------------|------------------------|------------------------------|------------|--------|------------------|---------|-----------|-------|--------------------------------------|---|
| | | Nitrogen, p. c. | | Phosphoric Acid, p. c. | | | | | | | | | |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Reverted or Citrate Soluble. | Insoluble. | Total. | Total available. | Potash. | Moisture. | | | |
| 65 | As guaranteed | | 4 | | | | 8 | | 10 | | 45479 | Up to guarantee | |
| | As found..... | 3.09 | 3.76 | | | | 8.70 | | 10.56 | | | | |
| 63 | As guaranteed | | 2.5 | | | | 8 | | 6 | | 45480 | " | |
| | As found..... | 1.92 | 2.33 | | | | 10.00 | | 5.94 | | | | |
| 71 | As guaranteed | | 2 | | | | 7 | | 4 | | 45481 | " | |
| | As found..... | 1.58 | 1.92 | | | | 9.15 | | 5.27 | | | | |
| 113 | As guaranteed | 1.64 | 2 | 4 | 4 | 1 | 9 | 8 | 3 | | 45482 | " | |
| | As found..... | 1.43 | 1.74 | 4.05 | 5.10 | 0.50 | 9.65 | 9.15 | 3.37 | | | | |
| 116 | As guaranteed | 2.46 | 3 | 4 | 4 | 2 | 10 | 8 | 4 | | 45483 | " | |
| | As found..... | 2.43 | 2.96 | 3.80 | 5.60 | 1.85 | 11.05 | 9.20 | 3.97 | | | | |
| 110 | As guaranteed | 2.46 | 3 | 4 | 4 | 1 | 9 | 8 | 6 | | 45484 | " | |
| | As found..... | 2.12 | 2.58 | 6.95 | 1.40 | 0.50 | 8.85 | 8.35 | 5.96 | | | | |
| 1 | As guaranteed | | | | | | 15 | | | | 45485 | " | |
| | As found..... | | | | | | 17.55 | | | | | | |
| 51 | As guaranteed | | | | | Trace. | 8.45 | 12 | 5 | | 45486 | Below guarantee | |
| | As found..... | | | | | | 8.45 | 8.45 | 7.12 | | | in phosphoric acid, above in potash. | |
| 88 | As guaranteed | 3.29 | 4 | 4 | 2 | 1 | 7 | 6 | 10 | | 45487 | Up to guarantee | |
| | As found..... | 2.88 | 3.50 | 4.45 | 2.05 | 1 | 7.50 | 6.50 | 10 | | | | |
| 96 | As guaranteed | .82 | 1 | 4 | 2 | 1 | 7 | 6 | 6 | | 45488 | " | |
| | As found..... | .77 | .94 | | | 0.70 | 7.80 | 7.10 | 7.26 | | | | |
| 3 | As guaranteed | 2.06 | 2.5 | 6 | 2 | 1 | 9 | 8 | 3 | | 45489 | " | |
| | As found..... | 1.84 | 2.25 | 3.85 | 4.40 | 1.45 | 9.70 | 8.25 | 2.57 | | | | |
| 2 | As guaranteed | 2 | 2.5 | 6 | 2 | 1 | 9 | 8 | 1.5 | | 45490 | " | |
| | As found..... | 1.84 | 2.24 | 6.50 | 2.60 | 1.65 | 10.75 | 9.10 | 2.59 | | | | |
| 11 | As guaranteed | 3.29 | 4 | 4 | 2 | 1 | 7 | 6 | 10 | | 45491 | " | |
| | As found..... | 3.11 | 3.77 | 2.50 | | 1.65 | 7.80 | 6.15 | 10.44 | | | | |
| 4 | As guaranteed | 1.25 | 6 | | 2 | 1 | 9 | 8 | 2 | | 45492 | " | |
| | As found..... | .92 | 1.11 | 6.10 | | 0.95 | 10.85 | 9.90 | 3.07 | | | | |
| 65 | As guaranteed | | 4 | | | | 8 | | 10 | | 45493 | " | |
| | As found..... | 2.84 | 3.45 | | | | 9.10 | | 10.29 | | | | |
| 133 | As guaranteed | 1.64 | 2 | 4 | 3 | 1 | 8 | 7 | 4 | | 45494 | " | |
| | As found..... | 1.40 | 1.70 | 5.50 | 0.70 | 2.30 | 8.50 | 6.20 | 4.27 | | | | |
| 139 | As guaranteed | 2.46 | 3 | | | | 23 | | | | 45495 | " | |
| | As found..... | 2.06 | 2.49 | | | | 25.75 | | | | | | |
| 94 | As guaranteed | 1.65 | 2 | 6 | 2 | 1 | 9 | 8 | 2 | | 45496 | " | |
| | As found..... | 1.89 | 2.30 | 6.90 | 2.90 | 1.55 | 11.35 | 9.80 | 3.18 | | | | |
| 15 | As guaranteed | 2.06 | 2.5 | 6 | 2 | 1 | 9 | 8 | 3 | | 45497 | " | |
| | As found..... | 1.65 | 2 | 6.75 | 2.45 | 0.70 | 9.90 | 9.20 | 2.76 | | | | |
| 16 | As guaranteed | 1.03 | 1.25 | 6 | 2 | 1 | 9 | 8 | 2 | | 45398 | " | |
| | As found..... | 1 | 1.22 | 6.45 | 3.80 | 2 | 12.25 | 10.25 | 2.27 | | | | |

J. C. FERGUSON, INSPECTOR.

| Date of Collection. | Designation. | No of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|---------------------|--------------|---------------|-----------------------------|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |

DISTRICT OF QUEBEC—

| | | | | | | | |
|-------|----|------------|--|--------|-----|---|--|
| 1911. | | | | | | | |
| May | 3 | Fertilizer | 36936 Eugene Julien, 1228 Rue St. Valier, Que. | 5 lbs. | Nil | Am. Agr. Chem. Co., Boston, Mass. | |
| " | 3 | " | 36937 " " " " | 5 " | " | " | |
| " | 3 | " | 36938 " " " " | 5 " | " | Leeds Phosphate Works. | |
| " | 4 | " | 36939 P. T. Legare, 287 Rue St. Paul, Que. | 5 " | " | Buffalo, New York. | |
| " | 4 | " | 36940 " " " " | 5 " | " | Am. Agr. Chem. Co., | |
| " | 4 | " | 36941 " " " " | 5 " | " | Michigan Carbon Works, Detroit. | |
| " | 10 | " | 36942 J. B. Reneaud & Cie, Quebec. | 5 " | " | British Oil and Cake, Liverpool Branch. | |
| " | 11 | " | 36943 P. T. Legare, 287 Rue St. Paul, Quebec. | 5 " | " | Alex. Cross & Sons, Glasgow. | |
| " | 11 | " | 36944 " " " " | 5 " | " | " | |
| " | 11 | " | 36945 " " " " | 5 " | " | " | |

DISTRICT OF ST. HYACINTHE—

| | | | | | | | |
|-----|----|--|---|--------|-----|--|---|
| May | 17 | Capelton. | 38950 H. Hebert, St. Leonard Junction. | 3 Jars | Nil | Capelton Chem. and Fertilizer Co., Buckingham. | |
| " | 17 | Victor Complete | 38951 J. E. Beliveau, St. Leonard Junction. | 3 " | " | " | Bought in 1910. |
| " | 18 | Phosphate of Lime, Thomas Phosphate Flour. | 38952 F. Dubuc, Nicolet | 3 " | " | Leeds Phosphate Works, Leeds, England. | |
| " | 23 | Complete Fertilizer. | 38953 L. A. Dubuc, Riche-lieu. | 3 " | " | Michigan Carbon Works. | |
| " | 24 | Farmers' Choice. | 38954 I. C. Harbec, St. Jean | 3 " | " | Buffalo Fertilizer Co., Buffalo, N. Y. | Reg. number not marked on bags. Marked on Order only. |
| " | 24 | General Crop. | 38955 " " " " | 3 " | " | " | " |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS. | | | | | | | | Remarks and Opinion of the Chief Analyst. | |
|------------------|---------------------|---|-------------------------------|-----------------------|------------------------------|------------|--------|------------------|---------|---|-----------|
| | | Nitrogen, p.c. | | Phosphoric Acid, p.c. | | | | | Potash. | | Moisture. |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Reverted or Citrate Soluble. | Insoluble. | Total. | Total available. | | | |
| | | | | | | | | | | No. of Sample. | |

F. X. W. E. BELAND, INSPECTOR.

| | | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | | |
|------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| .... | As guaranteed | | | | | | | | | | 36936 | Cannot be identified from information given. |
| .... | As found..... | 2.03 | 2.47 | 7.25 | 1.45 | 0.65 | 9.35 | 8.70 | | | | |
| .... | As guaranteed | | | | | | | | | | 36937 | " |
| .... | As found..... | .98 | 1.19 | 3.50 | 2.15 | 1 | 6.65 | 5.65 | | | | |
| 253? | As guaranteed | | | | | | 18 | | | | 36938 | Probably No. 253 and up to guarantee. |
| .... | As found..... | | | | | 7.80 | 22.50 | 14.70 | | | | |
| .... | As guaranteed | | | | | | | | | | 36939 | Cannot be identified. |
| .... | As found..... | | | 6.70 | 4.25 | 0.35 | 11.30 | 10.95 | | | | |
| .... | As guaranteed | | | | | | | | | | 36940 | " |
| .... | As found..... | 1.38 | 1.92 | 7.75 | 2.40 | 1 | 11.15 | 10.15 | | | | |
| 210? | As guaranteed | 1.65 | 2 | 6 | 2 | 1 | 9 | 8 | 6 | | 36941 | Doubtfully identified as 210; upto guarantee |
| .... | As found..... | 2.00 | 2.42 | 6.75 | 2.65 | 0.50 | 9.90 | 9.40 | 9.75 | | | |
| .... | As guaranteed | | | | | | | | | | 36942 | Cannot be identified from information given. |
| .... | As found..... | | | | | | | | | | | |
| .... | As guaranteed | | | | | | | | | | 36943 | Cannot be identified. |
| .... | As found..... | 1.95 | 2.37 | 4.90 | 6.20 | 0.30 | 11.40 | 11.10 | | | | |
| 399? | As guaranteed | | 2 | | | | | 8 | 10 | | 36944 | Doubtfully identified as 399; upto guarantee |
| .... | As found.. | 1.97 | 2.39 | 6.95 | 2.85 | 1.55 | 11.35 | 9.80 | 9.64 | | | |
| 400? | As guaranteed | | 4 | | | | | 9 | 5 | | 36945 | Doubtfully identified as 400; upto guarantee |
| .... | As found..... | 3.51 | 4.26 | 4.90 | 5.95 | 0.70 | 11.55 | 10.85 | 5.60 | | | |

J. C. ROULEAU, INSPECTOR.

| | | | | | | | | | | | | |
|------|---------------|------|------|------|---|------|-------|-------|------|--|-------|--|
| 337 | As guaranteed | | | 7 | | | | | | | 38950 | Up to guarantee. |
| .... | As found..... | | | 7.86 | | | 19.90 | | | | | |
| 83 | As guaranteed | | | | | | 7 | | 3 | | 38951 | Registered as No. 83, up to guarantee. |
| .... | As found..... | 2.02 | 2.45 | | | | 13.70 | | 2.85 | | | |
| 253? | As guaranteed | | | | | | 18 | | | | 38952 | Probably No. 253, and up to guarantee. |
| .... | As found..... | | | | | | 19.60 | | | | | |
| 206 | As guaranteed | 1.65 | 2 | 6 | 2 | 1 | 9 | 8 | 4 | | 38953 | Up to guarantee. |
| .... | As found..... | 1.71 | 2.07 | | | 0.33 | 12.35 | 12.02 | 4.34 | | | |
| 55 | As guaranteed | | 1 | | | | | 8 | 5 | | 38954 | " |
| .... | As found..... | .70 | .85 | | | 1.75 | 11.85 | 10.10 | 5.73 | | | |
| 50 | As guaranteed | | | | | | | 9 | 3 | | 38955 | |
| .... | As found..... | | | | | 2.85 | 14.35 | 11.50 | 3.55 | | | |

BULLETIN No. 227—

| Date of Collection. | Designation. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|---------------------|--------------|----------------|-----------------------------|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |

DISTRICT OF ST. HYACINTHE—

1911.

| | | | | | | | |
|--------|------------------------------|-------|--|--------|-----|--|--|
| May 24 | Lesages Super-phosphate. | 38956 | L. A. Nadeau, Iberville P.O., Lemoine. | 3 Jars | Nil | Lesage Packing and Fertilizer Co., Montreal. | |
| " 24 | Lesage's Fertilizer. | 38957 | " " " | 3 " " | " " | " " | |
| " 24 | Extra High Grade Fertilizer. | 38958 | " " " | 3 " " | " " | " " | |
| " 24 | Lesage's Complete Fertilizer | 38959 | " " " | 3 " " | " " | " " | |

DISTRICT OF MONTREAL—

| | | | | | | | |
|-------|------------------------------------|-------|---|------------|-----|------------------------------|-------------------|
| May 4 | Sure Growth Manure. | 40671 | Wm. Ewing Co., Ltd., McGill St., Montreal. | 184,3 Jars | Nil | W. A. Freeman Co., Ltd. | |
| " 4 | Potato Manure. | 40672 | " " " | 3 " " | " " | " " | |
| " 4 | Tobacco Manure | 40673 | " " " | 3 " " | " " | " " | No number on bag. |
| " 4 | Tankage. | 40674 | " " " | 3 " " | " " | " " | |
| " 4 | Celery and Early Vegetable Manure. | 40675 | " " " | 3 " " | " " | " " | |
| " 6 | Arrostock Complete Manure. | 40676 | Wm. Rennie Co., Ltd., McGill St., Montreal. | 3 " " | " " | The Am. Agr. Chem. Co. | |
| " 6 | Crocker's Complete Manure. | 40677 | " " " | 3 " " | " " | " " | |
| " 9 | Victor. | 40678 | Frs. Rivet, Joliette, P.Q. | 3 " " | " " | Capelton Chem. and Fert. Co. | |
| " 13 | Ideal Wheat and Corn. | 40679 | Thos. Cogland, Herdman, P.Q. | 3 " " | " " | Buffalo Fert. Co. | |
| " 13 | Farmers' Choice | 40680 | " " " | 3 " " | " " | " " | |
| " 13 | Grass and Grain | 40681 | " " " | 3 " " | " " | Schaal Sheldon Fert. Co. | |
| " 13 | Bradley B | 40682 | Wm. Anderson, Herdman, P.Q. | 3 " " | " " | " " | |
| " 13 | Bradley Alkaline | 40683 | " " " | 3 " " | " " | " " | |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS | | | | | | | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|------------------|---------------------|---|-------------------------------|-----------------------|------------------------------|------------|--------|------------------|---------|----------------|---|
| | | Nitrogen, p.c. | | Phosphoric Acid, p.c. | | | | | | | |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Reverted or Citrate Soluble. | Insoluble. | Total. | Total available. | Potash. |  |  | Moist. re. |

J. C. ROULEAU, INSPECTOR—*Concluded.*

| | | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | | |
|-----|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 161 | As guaranteed | 1.65 | 2 | ..... | 7 | 1 | 8 | ..... | 2 | ..... | 38956 | Slightly below guarantee in nitrogen, above in phosphoric acid. |
| | As found..... | .89 | 1.08 | ..... | ..... | 3.97 | 12.50 | 8.60 | 2.56 | ..... |  |  |
| 162 | As guaranteed | 1.65 | 2 | ..... | 7 | 1 | 8 | ..... | 5 | ..... | 38957 | Up to guarantee. |
| | As found.... | 1.02 | 1.23 | ..... | ..... | 2.50 | 10.45 | 7.95 | 6.69 | ..... |  |  |
| 329 | As guaranteed | 1.65 | 2 | ..... | 7 | 2 | 9 | 7 | 7 | ..... | 38958 | " |
| | As found..... | .98 | 1.19 | ..... | ..... | 1.37 | 12.40 | 11.03 | 7.83 | ..... |  |  |
| 163 | As guaranteed | 1 | 1.25 | ..... | 7 | 1 | 8 | ..... | 1 | ..... | 38959 | " |
| | As found..... | .61 | .76 | ..... | ..... | 1.95 | 10.50 | 8.55 | 1.98 | ..... |  |  |

J. J. COSTIGAN, INSPECTOR.

| | | | | | | | | | | | | |
|-----|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 144 | As guaranteed | 2.89 | 3.5 | 5 | 3 | .25 | 8.25 | 8 | 3 | ..... | 40671 | Up to guarantee. |
| | As found..... | 2.88 | 3.5 | 6.50 | 1.70 | 2.20 | 10.40 | 8.20 | 4.67 | ..... |  |  |
| 145 | As guaranteed | 2.47 | 3 | 5 | 3 | .25 | 8.25 | 8 | 5 | ..... | 40672 | " |
| | As found..... | 2.14 | 2.60 | 3.65 | 4.75 | 2.40 | 10.80 | 8.40 | 6.27 | ..... |  |  |
| 149 | As guaranteed | 2.47 | 3 | 5 | 2 | .25 | 7.25 | 7 | 5 | ..... | 40673 | Registered as 149, up to guarantee. |
| | As found..... | 3.25 | 3.94 | 4 | 6.35 | 2.35 | 12.70 | 10.35 | 4.86 | ..... |  |  |
| 150 | As guaranteed | 4.12 | 5 | 5 | 12 | .5 | 13 | 12 | ..... | ..... | 40674 | Up to guarantee. |
| | As found..... | 5.76 | 7 | 3.90 | 6.60 | 4.25 | 14.75 | 10.50 | ..... | ..... |  |  |
| 148 | As guaranteed | 4.12 | 5 | 5.5 | 3.5 | .25 | 9.25 | 9 | 5 | ..... | 4 675 | Below guarantee in phosphoric acid. Slightly above in potash and nitrogen. |
| | As found..... | 4.41 | 5.35 | 2.35 | 4.52 | 0.35 | 7.22 | 6.87 | 6.16 | ..... |  |  |
| 376 | As guaranteed | 2.47 | 3 | 4 | 2 | 1 | 7 | 6 | 10 | ..... | 40676 | Up to guarantee |
| | As found.... | 2.41 | 2.93 | 4.05 | 3.20 | 0.95 | 8.10 | 7.25 | 10.42 | ..... |  |  |
| 193 | As guaranteed | .82 | 1 | 5 | 2 | 1 | 9 | 8 | 4 | ..... | 40677 | " |
| | As found..... | .82 | 1 | 6.65 | 5.30 | 0.50 | 11.45 | 10.95 | 5.45 | ..... |  |  |
| 83 | As guaranteed | ..... | 2 | ..... | ..... | ..... | 7 | ..... | 3 | ..... | 40678 | " |
| | As found..... | 1.69 | 2.05 | ..... | ..... | ..... | 9 | ..... | 6.69 | ..... |  |  |
| 56 | As guaranteed | ..... | 2 | ..... | ..... | ..... | 9 | ..... | 5 | ..... | 40679 | " |
| | As found..... | 1.47 | 1.78 | ..... | ..... | 1.60 | 12.90 | 11.30 | 5.37 | ..... |  |  |
| 55 | As guaranteed | ..... | 1 | ..... | ..... | ..... | 8 | ..... | 5 | ..... | 40680 | " |
| | As found..... | 2.90 | 3.52 | ..... | ..... | 1.45 | 8.95 | 7.50 | 7.08 | ..... |  |  |
| 356 | As guaranteed | 1.23 | 1.5 | 6 | 2 | 1 | 9 | 8 | 7 | ..... | 40681 | " |
| | As found..... | 1.43 | 1.73 | 8.40 | 0.15 | 1 | 9.55 | 8.55 | 6.93 | ..... |  |  |
| 259 | As guaranteed | .82 | 1 | 6 | 2 | 1 | 9 | 8 | 4 | ..... | 40682 | " |
| | As found.... | .92 | 1.12 | 5.55 | 3.20 | 1.35 | 10.10 | 8.75 | 4.79 | ..... |  |  |
| 23 | As guaranteed | ..... | 9 | ..... | 2 | 1 | 12 | 11 | 2 | ..... | 40683 | " |
| | As found..... | ..... | ..... | 8.50 | 3.15 | 1.85 | 13.50 | 11.65 | 3.94 | ..... |  |  |

| Date of Collection. | Designation. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|---------------------|--------------|----------------|-----------------------------|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |

DISTRICT OF MONTREAL—

| | | | | | | | |
|--------|-----------------------------|-------|--------------------------------------|--------|-----|--|--|
| 1911. | | | | | | | |
| May 23 | Milson's Buffalo Guano. | 40685 | F. N. McKough, Hemmingford, P.Q. | 3 jars | Nil | | |
| " 23 | Farmers' Choice. | 40686 | R. W. Blair, Hemmingford, P.Q. | 3 " | " | | |
| " 23 | Bowker's Potash Bone. | 40687 | J. McCause, Hemmingford, P.Q. | 3 " | " | | |
| " 23 | Bowker's Sure Crop. | 40688 | " " " | 3 " | " | | |
| " 30 | Crocker's New General Crop. | 40689 | Lepailleur freres, La Chine, P.Q. | 3 " | " | | |
| " 30 | Celery and Potato Special. | 40690 | H. Dery, Jac. Cartier Sq., Montreal. | 3 " | " | | |

DISTRICT OF OTTAWA—

| | | | | | | | |
|-------|------------------------------------|-------|--|--------|-----|---|--|
| May 9 | Standard | 43247 | The Standard Fertilizer and Chemical Co., Smith's Falls. | 3 lbs. | Nil | Vendors | |
| " 10 | Corn Special | 43248 | Capelton Chemical and Fertilizer Co., Buckingham. | 3 " | " | " | |
| " 10 | Royal Canadian. | 43249 | " " " | 3 " | " | " | |
| " 10 | Victor Potato Special | 43250 | " " " | 3 " | " | " | |
| " 10 | Victor | 43251 | " " " | 3 " | " | " | |
| " 18 | Farmers' Choice. | 43252 | Cooklin & Thompson, Brockville. | 3 " | " | Buffalo Fertilizer Co., Buffalo, N.Y. | |
| " 18 | Read's Standard Superphosphate | 43253 | A. E. Cameron, Brockville. | 3 " | 6 | Am. Agr. Chem. Co., New York. | |
| " 18 | Read's Practical Potash Special | 43254 | " " " | 3 " | 6 | " " | |
| " 18 | Read's High Grade Farmer's Friend. | 43255 | " " " | 3 " | 6 | " " | |
| " 19 | Victor Lawn | 43256 | Graham Bros., Ottawa. | 3 " | Nil | Capelton Chem. and Fertil. Co., Buckingham. | |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS, | | | | | | | | | Remarks and Opinion of the Chief Analyst. | |
|------------------|---------------------|---|-------------------------------|-------------------|------------------------------|------------|--------|------------------|---------|-----------|---|--|
| | | Nitrogen, p.c. | | | Phosphoric Acid, p.c. | | | | | | | |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Inverted or Citrate Soluble. | Insoluble. | Total. | Total available. | Potash. | Moisture. | | |
| | | | | | | | | | | | No. of Sample | |

Concluded.

| | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | | |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| 264 As guaranteed | .82 | 1 | 6 | 2 | 1 | 9 | 8 | 4 | ..... | 40685 | Up to guarantee. |
| As found..... | .85 | 1.03 | 6.15 | 2.50 | 1 | 9.65 | 8.65 | 6.48 | ..... |  |  |
| 55 As guaranteed | ..... | 1 | ..... | ..... | ..... | ..... | 8 | 5 | ..... | 40686 | " |
| As found..... | 1.10 | 1.33 | ..... | ..... | 0.85 | 14.05 | 13.20 | 5.12 | ..... |  |  |
| 98 As guaranteed | .82 | 1 | 4 | 2 | 1 | 7 | 6 | 2 | ..... | 40687 | " |
| As found..... | 1.26 | 1.53 | 6.65 | 2.05 | 1.05 | 9.75 | 8.70 | 2.47 | ..... |  |  |
| 97 As guaranteed | .82 | 1 | 6 | 2 | 1 | 9 | 8 | 2 | ..... | 40688 | " |
| As found..... | 1.28 | 1.55 | 6 | 3.75 | 1.55 | 11.30 | 9.75 | 2.43 | ..... |  |  |
| 301 As guaranteed | .82 | 1 | 6 | 2 | 1 | 9 | 8 | 1 | ..... | 40689 | " |
| As found..... | .78 | .95 | 6.50 | 2.25 | 0.50 | 9.25 | 8.75 | 1.56 | ..... |  |  |
| 57 As guaranteed | ..... | 2 | ..... | ..... | ..... | ..... | 8 | 10 | ..... | 40690 | " |
| As found..... | 1.40 | 1.70 | 7.10 | ..... | ..... | 11.50 | ..... | 10.85 | ..... |  |  |

J. A. RICKEY, INSPECTOR.

| | | | | | | | | | | | |
|-------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| 280 As guaranteed | 2 | 2.4 | 8 | 1 | 5 | 14 | 9 | 2 | ..... | 43247 | Up to guarantee. |
| As found..... | 1.46 | 1.77 | 8.80 | 3.10 | 3.25 | 14.85 | 11.60 | 2.89 | ..... |  |  |
| 82 As guaranteed | ..... | 1 | ..... | ..... | ..... | 8 | ..... | 3 | ..... | 43248 | " |
| As found..... | 1.26 | 1.53 | ..... | ..... | ..... | 10.15 | ..... | 4.19 | ..... |  |  |
| 84 As guaranteed | ..... | 4 | ..... | ..... | ..... | 9 | ..... | 5 | ..... | 43249 | " |
| As found..... | 3.23 | 3.94 | ..... | ..... | ..... | 11.30 | ..... | 6.27 | ..... |  |  |
| 336 As guaranteed | ..... | 2 | ..... | ..... | ..... | ..... | 6 | 8 | ..... | 43250 | " |
| As found..... | 1.65 | 2 | ..... | ..... | 2.05 | 8.30 | 6.25 | 9.23 | ..... |  |  |
| 83 As guaranteed | ..... | 2 | ..... | ..... | ..... | ..... | 7 | 3 | ..... | 43251 | " |
| As found..... | 1.51 | 1.83 | ..... | ..... | 2 | 9.25 | 7.25 | 3.32 | ..... |  |  |
| 55 As guaranteed | .8 | 1 | 6 | 2 | 1 | 9 | 8 | 5 | ..... | 43252 | " |
| As found..... | .81 | .99 | 3.90 | 4 | 1.10 | 9 | 7.90 | 5.09 | ..... |  |  |
| 233 As guaranteed | .82 | 1 | 6 | 2 | 1 | 9 | 8 | 4 | ..... | 43253 | " |
| As found..... | .84 | 1.02 | 7 | 0.95 | 1.10 | 9.05 | 7.95 | 4.24 | ..... |  |  |
| 9 As guaranteed | .82 | 1 | 3 | 1 | 1 | 5 | 4 | ..... | ..... | 43254 | " |
| As found..... | .87 | 1.05 | 3.35 | 0.75 | 0.80 | 5 | 4.10 | 8.99 | ..... |  |  |
| 11 As guaranteed | 3.29 | 4 | 4 | 2 | 1 | 7 | 6 | 10 | ..... | 43255 | " |
| As found..... | 2.86 | 3.47 | 4.80 | 1.00 | 0.60 | 7 | 6.40 | 10.31 | ..... |  |  |
| 336 As guaranteed | ..... | 2 | ..... | ..... | ..... | 6 | 8 | ..... | ..... | 43256 | " |
| As found..... | 1.40 | 1.70 | ..... | ..... | 2.20 | 9.55 | 7.35 | 8.36 | ..... |  |  |

| Date of Collection. | Designation. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|---------------------|--------------|----------------|-----------------------------|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |

DISTRICT OF KINGSTON—

| | | | | | | | |
|-------|------------------------------|-------|-------------------------------------|--------|----|------------------------------|--------------------|
| 1911. | | | | | | | |
| May | 1 Sea Fowl Guano. | 48527 | Earl Spencer, Picton. | 3 lbs. | 10 | Am. Agr. Chem. Co., Buffalo. | No tag on the bag. |
| " | 1 High Grade Potash Compound | 48528 | " | 3 " | 10 | " | " |
| " | 1 Complete Manure. | 48529 | " | 3 " | 10 | " | " |
| " | 2 Bone and Potash. | 48530 | Thompson & MacDonald Co., Colbourg. | 3 " | 10 | W. A. Freeman Co., Hamilton. | " |
| " | 2 Lawn Fertilizer. | 48531 | " | 3 " | 10 | " | " |

DISTRICT OF TORONTO—

| | | | | | | | |
|-----|--|-------|---|--------|----|---|------------------------------|
| May | 5 Potash Compound. | 47303 | The Harris Abattoir Co., Ltd., Toronto. | 5 lbs. | 15 | Vendors..... | |
| " | 9 Bradley's B. D. Sea Fowl Guano. | 47304 | Titherington Bros., St. Catharines. | 5 " | 15 | Am. Agr. Chem. Co., Ltd., Buffalo, N.Y. | |
| " | 9 Crocker's Best Potash Fertilizer. | 47305 | " | 5 " | 15 | " | |
| " | 9 Crocker's Dissolved Phosphate | 47306 | The St. Catharines Cold Storage and Forwarding Co., Ltd., St. Catharines. | 5 " | 15 | " | |
| " | 9 Fine Ground Bone. | 47307 | " | 5 " | 15 | " | No registration no. on bags. |
| " | 10 Ideal Wheat and Corn. | 47308 | Cyrus Field, Niagara on the Lake. | 5 " | 15 | Buffalo Fertilizer Co., Buffalo, N.Y. | |
| " | 10 Extra Phosphate and Potash. | 47309 | " | 5 " | 15 | " | |
| " | 10 High Grade Special. | 47310 | C. E. Fisher & Sons, Queenston. | 4 " | 15 | Am. Agr. Chem. Co., Buffalo, N.Y. | |
| " | 10 Crocker's Wheat and Corn. | 47311 | " | 4 " | 15 | " | |
| " | 11 Crocker's New York Special Phosphate. | 47312 | Jno. Spencer, Port Colborne. | 5 " | 15 | " | |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS. | | | | | | | | | Remarks and opinion of the Chief Analyst. | |
|------------------|---------------------|---|-------------------------------|-----------------------|------------------------------|------------|--------|------------------|---------|-----------|---|--|
| | | Nitrogen, p.c. | | Phosphoric Acid, p.c. | | | | | | | | |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Reverted or Citrate Soluble. | Insoluble. | Total. | Total available. | Potash. | Moisture. | | |
| | | | | | | | | | | | No. of Sample. | |

JAS. HOGAN, INSPECTOR.

| | | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | |
|-----|---------------|------|------|------|------|------|-------|-------|-------|-------|-------|--|
| 168 | As guaranteed | 2.06 | 2.5 | 6 | 2 | 1 | 9 | 8 | 1.5 | ..... | 48527 | If correctly identified, slightly low in nitrogen but above in phosphoric acid and potash. |
| | As found..... | 1.24 | 1.51 | 6.30 | 4.15 | 0.80 | 11.25 | 10.45 | 2.64 | | | |
| 182 | As guaranteed | 1.65 | 3 | 6 | 2 | 1 | 9 | 8 | 10 | ..... | 48528 | |
| | As found..... | .06 | 1.16 | 6.50 | 4.50 | 0.30 | 11.30 | 11.00 | 10.16 | | | Practically up to guarantee. |
| 394 | As guaranteed | 3.29 | 4 | 6 | 2 | 1 | 9 | 8 | 7 | ..... | 48529 | |
| | As found..... | 1.22 | 1.49 | 6.50 | 5.25 | 0.85 | 12.66 | 11.75 | 8.28 | | | Below guarantee in nitrogen; above in phosphoric acid and potash. |
| 147 | As guaranteed | 1.65 | 2 | 5.5 | 3.5 | .25 | 9.25 | 9 | 6 | ..... | 48530 | Registered as No. 147—up to guarantee. |
| | As found..... | 2.62 | 3.17 | 1.10 | 7.65 | 1.70 | 9.45 | 8.75 | 9.64 | | | |
| 157 | As guaranteed | 2.47 | 3 | 5.5 | 3.5 | .25 | 9.25 | 9 | 4 | ..... | 48531 | Registered as No. 157—up to guarantee. |
| | As found..... | 2.59 | 3.15 | 4.30 | 5.40 | 3.05 | 12.75 | 9.70 | 2.35 | | | |

H. J. DAGER, INSPECTOR.

| | | | | | | | | | | | | |
|-----|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| 202 | As guaranteed | 2 | 2.4 | ..... | ..... | ..... | 11 | 8 | 10 | ..... | 47303 | Up to guarantee. |
| | As found..... | 2.88 | 3.50 | ..... | ..... | 2.05 | 11 | 8.95 | 9.46 | ..... |  |  |
| 188 | As guaranteed | 2.06 | 2.5 | 6 | 2 | 1 | 9 | 8 | 1.5 | ..... | 47304 | " |
| | As found..... | 1.94 | 2.36 | 6.90 | 3.25 | 0.75 | 10.90 | 10.15 | 2.43 | ..... |  |  |
| 194 | As guaranteed | 1.65 | 2 | 6 | 2 | 1 | 9 | 8 | 10 | ..... | 47305 | " |
| | As found..... | 1.35 | 1.64 | 6.70 | 3.75 | 1.30 | 10.75 | 10.45 | 9.90 | ..... |  |  |
| 312 | As guaranteed | ..... | ..... | 12 | 2 | 1 | 15 | 14 | ..... | ..... | 47306 | " |
| | As found..... | ..... | ..... | 11.50 | 4.60 | 3.35 | 19.45 | 16.10 | ..... | ..... |  |  |
| 238 | As guaranteed | 2.47 | 3 | ..... | ..... | ..... | 22.88 | ..... | ..... | ..... | 47307 | Registered as 238 |
| | As found..... | 2.52 | 3.06 | ..... | ..... | ..... | 23.35 | ..... | ..... | ..... |  |  |
| 56 | As guaranteed | ..... | 2 | ..... | ..... | ..... | 9 | 5 | ..... | ..... | 47308 | " |
| | As found..... | 1.24 | 1.51 | ..... | ..... | 1.90 | 11.85 | 9.95 | 6.54 | ..... |  |  |
| 52 | As guaranteed | ..... | ..... | ..... | ..... | ..... | 10 | 8 | ..... | ..... | 47309 | " |
| | As found..... | ..... | ..... | ..... | ..... | 2.05 | 13.65 | 11.60 | 8.49 | ..... |  |  |
| 381 | As guaranteed | 1.65 | 2 | 6 | 2 | 1 | 9 | 8 | 4 | ..... | 47310 | " |
| | As found..... | 1.51 | 1.85 | 6.90 | 3.10 | 0.40 | 10.40 | 10 | 4.54 | ..... |  |  |
| 195 | As guaranteed | 2.06 | 2.5 | 6 | 2 | 1 | 9 | 8 | 1.5 | ..... | 47311 | " |
| | As found..... | 2.10 | 2.55 | 6.75 | 2.65 | 1.15 | 10.55 | 9.40 | 2.14 | ..... |  |  |
| 192 | As guaranteed | ..... | ..... | 8 | 2 | 1 | 11 | 10 | 8 | ..... | 47312 | " |
| | As found..... | ..... | ..... | 7.95 | 1.95 | 1.85 | 11.75 | 9.90 | 9.01 | ..... |  |  |

| Date of Collection. | Designation. | No. of samples. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|----------------------|--------------------------------------|-----------------|---|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |
| DISTRICT OF TORONTO— | | | | | | | |
| 1911. | | | | | | | |
| May 11 | Celery and Potato Special. | 47313 | J. E. Barrick, Port Colborne. | 5 lbs. | 15 | Buffalo Fertilizer Co., Ltd., Buffalo, N. Y. | |
| " 12 | High Grade Manure. | 47314 | B. L. Edgcombe, Dunnville. | 5 " | 15 | " " | |
| " 12 | Vegetable and Potato. | 47315 | " " | 5 " | 15 | " " | |
| " 12 | Bradley's B. D. Sea Fowl Guano. | 47316 | Chas. H. Weaver, Dunnville. | 5 " | 15 | Am. Agr. Chem. Co., Buffalo, N. Y. | |
| " 13 | Sure Growth. | 47317 | W. A. Freeman Fertilizer Co., Ltd., Hamilton. | 5 " | 15 | Vendors. | |
| " 13 | Tobacco Manure | 47318 | W. A. Freeman Fertilizer Co., Ltd., Hamilton. | 5 " | 15 | Vendors | |
| " 16 | H Brand. Bone, Blood & Flesh. | 47319 | W. Harris & Co., Toronto. | 5 " | 15 | " | |
| " 18 | Fine Steamed Bone. | 47320 | The Wm. Davies & Co., Ltd., Toronto. | 5 " | 15 | " | |
| " 18 | General Vegetable and Market Garden. | 47321 | " " " | 5 " | 15 | " | |
| " 18 | Harab Cereal, No. 6. | 47322 | The Harris Abattoir Co., Ltd., Toronto. | 5 " | 15 | " | |

DISTRICT OF LONDON—

| | | | | | | | |
|--------|-------------------------------|-------|----------------------------------|--------|-----|----------------------------------|--------------------------------|
| May 15 | Celery and Potato Special. | 48052 | G. Carter, Son & Co., St. Marys. | 3 Jars | Nil | Buffalo Fertilizer Co., Buffalo. | |
| " 15 | Ideal. | 48053 | " " | 3 " | " | " " | |
| " 15 | Extra Phosphate Special. | 48054 | " " | 3 " | " | " " | |
| " 15 | Farmers' Choice | 48055 | " " | 3 " | " | " " | |
| " 16 | Bone Meal. | 48056 | Jno. A. Andrew, Stratford. | 3 " | 15 | W. A. Freeman, Hamilton. | |
| " 16 | Celery and Potato Fertilizer. | 48063 | J. ... Sidt, Berlin. | 3 " | 10 | Buffalo Fertilizer Co., Buffalo. | |
| " 16 | Pr ... | 48064 | " " | 3 " | 10 | W. A. Freeman Co., Hamilton. | See label on package for Dept. |
| " 17 | Bone Meal | 48073 | Struthers & Church, Galt. | 3 " | 15 | " " | |

FERTILIZERS AS SOLD.

| RESULTS OF ANALYSIS. | | | | | | | | | | |
|----------------------|---------------------|---|-------------------------------|-----------------------|------------------------------|------------|--------|------------------|---------|---|
| Registration No. | Analysis of Sample. | Nitrogen, p.c. | | Phosphoric Acid, p.c. | | | | | Potash. | Moisture. |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Reverted or Citrate-Soluble. | Insoluble. | Total. | Total available. | | |
| | | | | | | | | | | No. of Sample. |
| 57 | As guaranteed | | 2 | | | | | 8 | 10 | 47313 Up to guarantee. |
| | As found.... | 1.22 | 1.48 | | | | 0.65 | 8.56 | 7.90 | |
| 60 | As guaranteed | | 4 | | | | | 7 | 10 | 47314 " |
| | As found.... | 2.77 | 3.36 | | | | 0.20 | 7.95 | 7.75 | |
| 58 | As guaranteed | | 8 | | | | | 8 | 7 | 47315 " |
| | As found.... | 2.62 | 3.18 | | | | 0.55 | 9.35 | 8.80 | |
| 188 | As guaranteed | 2.06 | 2.5 | 6 | 2 | | 1 | 9 | 8 | 47316 " |
| | As found.... | 1.59 | 1.94 | 7.05 | 2.10 | 1.20 | 10.35 | 9.15 | 1.81 | |
| 144 | As guaranteed | 2.89 | 3.5 | 5 | 3 | 0.25 | 8.25 | 8 | 3 | 47317 " |
| | As found.... | 2.21 | 2.68 | 4.50 | 5.33 | 1.85 | 10.70 | 9.85 | 3.49 | |
| 149 | As guaranteed | 2.47 | 3 | 5 | 2 | | 25 | 7.25 | 7 | 47318 " |
| | As found.... | 2.19 | 2.66 | 7.50 | 3.40 | 0.30 | 11.20 | 10.90 | 9.60 | |
| 285 | As guaranteed | 7.15 | 8.69 | 0.67 | 3.90 | 2.74 | 7.31 | 4.57 | | 47319 " |
| | As found.... | 6.02 | 8.04 | 0.50 | 5.30 | 1.45 | 7.25 | 5.80 | | |
| 366 | As guaranteed | 4.93 | 6 | | | | 22.0 | | | 47320 Below guarantee in total phosphoric acid. |
| | As found.... | 5.60 | 6.80 | | | | 17.25 | | | |
| 362 | As guaranteed | 4.11 | 5 | 1 | 6 | 2 | 9 | 7 | 5 | 47321 Up to guarantee. |
| | As found.... | 3.61 | 4.39 | 0.50 | 7.10 | 4.35 | 11.95 | 7.60 | 4.73 | |
| 291 | As guaranteed | 2 | 2.4 | | | | 12.5 | 9 | 3 | 47322 Low in phosphoric acid, but high in nitrogen. Some doubt in identification. |
| | As found.... | 3.58 | 4.35 | | | 4.00 | 9.02 | 5.02 | 3.66 | |

JNO. TALBOT, ACTING INSPECTOR.

| | | | | | | | | | | |
|-----|---------------|------|------|------|------|-------|-------|-------|------|--|
| 57 | As guaranteed | | 2 | | | | | 8 | 10 | 48052 Up to guarantee. |
| | As found.... | 1.69 | 2.05 | | | 1.90 | 9.40 | 7.50 | 9.50 | |
| 56 | As guaranteed | | 2 | | | | | 9 | 5 | 48053 " |
| | As found.... | 1.46 | 1.78 | | | 1.85 | 10.70 | 8.85 | 4.57 | |
| 52 | As guaranteed | | | | | | | 10 | 8 | 48054 Practically up to guarantee. |
| | As found.... | | | | | 2.30 | 11.20 | 8.90 | 8.20 | |
| 55 | As guaranteed | | 1 | | | | | 8 | 5 | 48055 Up to guarantee. |
| | As found.... | 1.05 | 1.27 | 3.50 | | 1.90 | 10.15 | 8.35 | 4.56 | |
| 146 | As guaranteed | 2.47 | 3 | | 20 | 1 | 22.0 | 20 | | 48056 Below guarantee in available phosphoric acid |
| | As found.... | 3.71 | 4.51 | | 8.80 | 13.02 | 21.80 | 8.80 | | |
| 57 | As guaranteed | | 2 | | | | | 8 | 10 | 48057 Slightly below guarantee in potash. |
| | As found.... | 1.56 | 1.90 | | | 1.15 | 8.70 | 7.25 | 8.91 | |
| 145 | As guaranteed | 2.47 | 3 | 5 | 3 | | 25 | 8.25 | 8 | 48058 Up to guarantee. |
| | As found.... | 3.24 | 3.93 | 3.15 | 9.45 | 0.95 | 13.55 | 12.60 | 5.98 | |
| 157 | As guaranteed | 2.47 | 3 | 5.5 | 3.5 | | 25 | 9.25 | 9 | 48073 " |
| | As found.... | 3.48 | 4.23 | 6.75 | 5.45 | 0.10 | 12.30 | 12.20 | 3.53 | |

| Date of Collection. | Designation. | No. of Sample. | Name and Address of Vendor. | COST. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. |
|---------------------|--------------|----------------|-----------------------------|-----------|--------|---|---------------------|
| | | | | Quantity. | Cents. | | |

DISTRICT OF WINDSOR—

| | | | | | | | |
|--------|-------------------------------|-------|------------------------------------|---------|-----|---------------------------------------|--|
| 1911. | | | | | | | |
| May 10 | Sure Growth... | 48029 | Saml. May, Windsor, Ont. | 3 jars. | 13 | W. A. Freeman Co., Hamilton. | |
| " 10 | Lawn Fertilizer. | 48030 | " " " " | 3 " " | 13 | " " " | |
| " 11 | Homestead High Grade. | 48031 | Jas. D. Soutar, Chatham, Ont. | 3 " " | Nil | Michigan Carbon Works, Detroit, Mich. | |
| " 11 | Homestead Special Beet Fertr. | 48032 | " " " " | 3 " " | " | " " " | |
| " 11 | Ideal Wheat and Corn. | 48023 | " " " " | 3 " " | " | Buffalo Fertr. Co., Buffalo, N.Y. | |
| " 11 | Tobacco Manure | 48034 | Saml. Glenn & Son, Chatham, Ont. | 3 " " | " | W. A. Freeman Co., Hamilton. | |
| " 12 | Bone Meal..... | 48036 | Geo. Kirk, Woodstock, Ont. | 3 " " | 10 | " " " | |
| " 12 | Crocker's Best Potash. | 48047 | McIntosh Coal Co., Woodstock, Ont. | 3 " " | Nil | Am. Agr. Chem. Co., Buffalo, N.Y. | |
| " 12 | Special Phosphate. | 48049 | " " " " | 3 " " | " | " " " | |

DISTRICT OF VANCOUVER—

| | | | | | | Manu- facturer. | Furnisher. | |
|--------|-----------------|-------|---|---------|-----|---------------------------------|---------------------|--|
| May 23 | Bone Meal..... | 38195 | Johnstone's Nursery, Westminister Road, Vanc. | 5 lb .. | 25 | Portland Seed Co. | Brown Bros., Vanc. | Not reg. |
| " 23 | " | 38196 | A. R. MacDougall, Westminister Road, Vanc. | 5 " .. | 25 | Lilly & Co., Seattle. | M. J. Henry, Vanc. | " |
| " 23 | Tankage | 38197 | Brown Bros., 21st Ave., Mt. Pleasant | 6 " .. | Nil | P. Burns, Vanc. | Brackman-Ker, Vanc. | " |
| " 23 | Blood | 38198 | " " " " | 6 " .. | " | " " " | " " " | " |
| " 23 | Bone Meal..... | 38199 | Brackman-Ker Mill, ilg Co., Vanc. | 5 " .. | 25 | Pacific Whaling Stn., Victoria. | | Sample taken from bin. Could not say if tag carried reg. number. |
| " 23 | Beef Scraps.... | 38200 | " " " " | 5 " .. | 30 | Swift & Co., Chicago. | | No reg. No. |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS. | | | | | | | | Remarks and Opinion of the Chief Analyst. |
|------------------|---------------------|---|-------------------------------|-----------------------|-------------------------------|------------|--------|------------------|---------|---|
| | | Nitrogen, p.c. | | Phosphoric Acid, p.c. | | | | | Potash. | Moisture. |
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Soluble in Water. | Converted or Citrate Soluble. | Insoluble. | Total. | Total available. | | |

JNO. TALBOT, INSPECTOR.

| | | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | p. c. | |
|-----|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 144 | As guaranteed | 2.89 | 3.5 | 5 | 3 | .25 | 8.25 | 8 | 3 | ..... | 48029 Up to guarantee |
| | As found..... | 2.61 | 2.17 | 4 | 5.45 | 1.40 | 10.85 | 9.45 | 2.89 | ..... |  |
| 157 | As guaranteed | 2.47 | 3 | 5.5 | 3.5 | .25 | 9.25 | 9 | 4 | ..... | 46030 Slightly below in nitrogen, but above in other constituents. |
| | As found..... | 1.57 | 1.90 | 6.55 | 3.95 | 0.25 | 10.75 | 10.50 | 4.73 | ..... |  |
| 200 | As guaranteed | 1.65 | 2 | 5 | 2 | 1 | 9 | 8 | 5 | ..... | 48031 Up to guarantee |
| | As found..... | 1.55 | 1.88 | 6.30 | 4.15 | 0.80 | 11.25 | 10.45 | 5.56 | ..... |  |
| 208 | As guaranteed | 1.65 | 2 | 6 | 2 | 1 | 9 | 8 | 5 | ..... | 48032 " |
| | As found..... | 1.58 | 1.92 | 6.30 | 1.55 | 1.60 | 9.45 | 7.85 | 6.45 | ..... |  |
| 56 | As guaranteed | ..... | 2 | ..... | ..... | ..... | ..... | 9 | 5 | ..... | 48033 Practically up to guarantee. |
| | As found..... | .87 | 1.06 | ..... | ..... | 1.20 | 11.85 | 10.65 | 6.14 | ..... |  |
| 149 | As guaranteed | 2.47 | 3 | 5 | 2 | .25 | 7.25 | 7 | 5 | ..... | 48034 Up to guarantee. |
| | As found..... | 2.54 | 3.00 | 3 | 4.85 | 1 | 8.85 | 7.85 | 5.37 | ..... |  |
| 146 | As guaranteed | 2.47 | 3 | ..... | 20 | 1 | 21 | 20 | ..... | ..... | 48036 " |
| | As found..... | 3.36 | 4.08 | ..... | ..... | 7.30 | 23.15 | 15.85 | ..... | ..... |  |
| 191 | As guaranteed | 1.65 | 2 | 6 | 2 | 1 | 9 | 8 | 10 | ..... | 48047 " |
| | As found..... | 1.14 | 1.39 | 3.70 | 3.20 | 2.15 | 9.05 | 6.90 | 10.20 | ..... |  |
| 192 | As guaranteed | ..... | ..... | 8 | 2 | 1 | 11 | 10 | 8 | ..... | 48049 " |
| | As found..... | ..... | ..... | 9.70 | 1.55 | 0.50 | 11.75 | 11.25 | 8.34 | ..... |  |

J. F. POWER, INSPECTOR.

| | | | | | | | | | | | |
|-------|---------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--|
| ..... | As guaranteed | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 38195 Not registered. |
| | As found..... | 2.49 | 3.02 | ..... | ..... | ..... | 26.50 | ..... | ..... | ..... |  |
| 297 | As guaranteed | 3 | ..... | ..... | 17 | 5 | 22 | ..... | ..... | ..... | 38196 Registered as 297. Up to guarantee. |
| | As found..... | 3.52 | 4.27 | ..... | ..... | ..... | 28.15 | ..... | ..... | ..... |  |
| 440 | As guaranteed | 7.59 | 9.49 | Trans. | 5.87 | 2.91 | 6.78 | 5.87 | ..... | ..... | 38197 Registered as 440. Nitrogen low; phosphoric acid high. |
| | As found..... | 5.75 | 6.89 | 9.75 | 9.28 | 6.72 | 16.75 | 10.03 | ..... | ..... |  |
| 439 | As guaranteed | 10.74 | 13.04 | ..... | 3.00 | .77 | 3.77 | 3.60 | ..... | ..... | 38198 Registered as 439. Up to guarantee. |
| | As found..... | 12.22 | 14.84 | ..... | 7.84 | 2.16 | 9.00 | 7.84 | ..... | ..... |  |
| 355 | As guaranteed | ..... | 3.5 | ..... | ..... | ..... | 26 | ..... | ..... | ..... | 38199 Registered as 355. Up to guarantee. |
| | As found..... | 3.42 | 4.15 | ..... | ..... | ..... | 20.50 | ..... | ..... | ..... |  |
| ..... | As guaranteed | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 38200 Not registered. |
| | As found..... | ..... | ..... | ..... | ..... | ..... | 13.90 | ..... | ..... | ..... |  |

BULLETIN No. 227—

| Date of Collection. | Designation. | No. of Sample. | Name and Address of Vendor. | Cost. | | Name and Address of Manufacturer or Furnisher as given by the Vendor. | Inspector's Report. | |
|------------------------|-------------------------------|----------------|--|-----------|--------|---|---|---------------------|
| | | | | Quantity. | Cents. | | | |
| DISTRICT OF VANCOUVER— | | | | | | | | |
| 1911. | | | | | | Mfr. | Fur. | |
| May 23 | Bone Meal. | 38201 | Rennies Seed Store, Granville Street, Vancouver. | 6 lbs. | 25 | C. H. Lilly Co., Seattle. | M. J. Henry Co., Vanc. | Noreg. num- ber. |
| " 23 | Fertilizer. | 38202 | " " " | 3 pkts. | 90 | Wm. Rennie, Toronto. | | |
| " 23 | " " " | 38203 | Royal Nurseries, Granville Street, Vancouver. | 6 lbs. | 30 | | Brackman- Ker. | |
| " 23 | " " " | 38204 | " " " | 6 " | 25 | Victoria Chem. Co., Vict., B.C. | | |
| DISTRICT OF VICTORIA— | | | | | | | | |
| June 9 | Bone Meal. | 47601 | The Brackman-Ker Milling Co., Ltd., Victoria, B.C. | 5 lbs. | 10 | Pacific Whal- ing Co., Ltd., Vancouver. | | |
| " 9 | Blood Meal. | 47602 | " " " | 5 " | 20 | P. Burns & Co., Ltd., Vancouver. | | |
| " 9 | Whale Guano. | 47603 | " " " | 5 " | 15 | Pac. Whaling Co., Ltd., Vancouver. | | |
| " 15 | Fertilizer A. | 47604 | Victoria Chem. Co., Ltd., Victoria, B.C. | 5 " | 25 | Vendors | | |
| " 15 | Fertilizer B. . . | 47605 | " " " | 5 " | 25 | " | | |
| " 15 | Fertilizer C. | 47606 | " " " | 5 " | 25 | " | | |
| " 15 | Fertilizer D. . . | 47607 | " " " | 5 " | 25 | " | | |
| " 15 | Nitrate of Soda. . | 47608 | " " " | 5 " | 25 | | Parrott & Co. San Fran- cisco, Cal. | |
| " 15 | Superphosphate of Lime. | 47609 | " " " | 5 " | 25 | Vendors | | |
| " 19 | Bone and Blood Fertilizer. | 47629 | Fredr. Savory, Vic- toria, B.C. | 5 " | 25 | Frye, Bruhne & Co., Se- attle, Wash. | | |

FERTILIZERS AS SOLD.

| Registration No. | Analysis of Sample. | RESULTS OF ANALYSIS. | | | | | | | | | | N. of Sample. | Remarks and Opinion of the Chief Analyst. | |
|------------------|---------------------|---|-------------------------------|-----------------------|------------------------------|------------|--------|------------------|------|------|---------|---------------|--|-----------|
| | | Total, including that of Nitric Acid or Ammonia if present. | Total, calculated as Ammonia. | Phosphoric Acid, p.c. | | | | | | | Potash. | | | Moisture. |
| | | | | Soluble in Water. | Reverted or Citrate Soluble. | Insoluble. | Total. | Total available. | | | | | | |
| Concluded. | | | | | | | | | | | | | | |
| | As guaranteed | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | p.c. | | | | |
| | As found.. | 3 | 3.10 | 3.76 | 17 | 5 | 22 | 20.50 | | | | 38201 | Registered as 297. Slightly below guarantee in total phosphoric acid up to guarantee. | |
| 276 | As guaranteed | 2.00 | 2.5 | 8 | | | | | | 2 | | 38202 | | |
| | As found.. | 1.52 | 1.85 | 12.33 | | | 18.70 | | | 4.90 | | | | |
| 355 | As guaranteed | | 3.5 | | | | 26 | | | | | 38203 | Much below guarantee in phosphoric acid and nitrogen. May be incorrectly described | |
| | As found..... | 22 | 27 | 11.93 | 3.62 | 0.40 | 15.95 | 15.45 | | | | | | |
| 80 | As guaranteed | | | | | | 16 | | | | | 38204 | Much above guarantee in phosphoric acid Perhaps this and the preceding are reversed Reported here as given on inspectors invoice | |
| | As found..... | | | | | | 26.50 | | | | | | | |

D. O'SULLIVAN, INSPECTOR.

| | | | | | | | | | | | | | |
|-------|---------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 355 | As guaranteed | ..... | 3.5 | ..... | ..... | ..... | 26 | ..... | ..... | ..... | ..... | 47601 | Up to guarantee. |
| | As found.. | 2.85 | 3.47 | ..... | ..... | ..... | 26.70 | ..... | ..... | ..... | ..... |  |  |
| ..... | As guaranteed | 10.74 | 13.04 | ..... | 3 | .77 | 3.77 | 3 | ..... | ..... | ..... | 47602 | Registered as 439. Up to guarantee. |
| | As found..... | 12.20 | 14.82 | trace. | 3.70 | 0.10 | 3.80 | 3.70 | ..... | ..... | ..... |  |  |
| ..... | As guaranteed | ..... | ..... | ..... | ..... | ..... | 3.10 | ..... | ..... | 3.31 | ..... | 47603 | Not registered. |
| | As found..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |  |
| 73 | As guaranteed | 4 | ..... | ..... | ..... | ..... | 10 | ..... | ..... | 7 | ..... | 47604 | Slightly below guarantee in nitrogen. Above in phosphoric acid. |
| | As found..... | 2.84 | 3.45 | ..... | ..... | ..... | 13.25 | ..... | ..... | 7.87 | ..... |  |  |
| 74 | As guaranteed | 3.5 | ..... | ..... | ..... | ..... | 10 | ..... | ..... | 11 | ..... | 47605 | Below guarantee in potash. |
| | As found..... | 3.30 | 4.01 | ..... | ..... | ..... | 10.25 | ..... | ..... | 8.78 | ..... |  |  |
| 75 | As guaranteed | ..... | ..... | ..... | ..... | ..... | 12.5 | ..... | ..... | 11 | ..... | 47606 | Up to guarantee. |
| | As found..... | ..... | ..... | ..... | ..... | ..... | 15.55 | ..... | ..... | 10.63 | ..... |  |  |
| 76 | As guaranteed | 2.5 | ..... | ..... | ..... | ..... | 10 | ..... | ..... | 11 | ..... | 47607 | " |
| | As found..... | 2.20 | 2.67 | ..... | ..... | ..... | 14.85 | ..... | ..... | 12.55 | ..... |  |  |
| 77 | As guaranteed | 15.5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 47608 | " |
| | As found.. | 14.78 | 17.95 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |  |
| 80 | As guaranteed | ..... | ..... | ..... | ..... | ..... | 16 | ..... | ..... | ..... | ..... | 47609 | " |
| | As found..... | ..... | ..... | ..... | ..... | ..... | 18.55 | ..... | ..... | ..... | ..... |  |  |
| ..... | As guaranteed | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 47629 | Not registered. |
| | As found..... | ..... | ..... | ..... | ..... | ..... | 20.65 | ..... | ..... | ..... | ..... |  |  |